

## GILA RIVER BASIN

09482200 FLATO WASH NEAR SAHUARITA, AZ

LOCATION.--Lat 32°02'43", long 110°57'00", SW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec.7, T.16 S., R.14 E., Pima County, Hydrologic Unit 15050301, at U.S. Highway 89, 6 mi north Sahuarita.

DRAINAGE AREA.--30.1 mi<sup>2</sup>, of which 23.4 mi<sup>2</sup> is noncontributing and/or distributary flow.

### Annual peak discharges

Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes	Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes
1955	00-00-55	<sup>1</sup> 4,500	HP	1973	10-19-72	370	
1961	00-00-61	<sup>2</sup> 3,500	HP	1974	07-07-74	1,170	
1965	08-30-65	250		1975	09-07-75	960	
1966	08-19-66	340		1976	09-25-76	790	
1967	07-17-67	307		1977	07-22-77	390	
1968	02-12-68	230		1978	08-01-78	580	
1969	08-07-69	913		1979	08-15-79	310	
1970	07-21-70	1,150		1980	08-13-80	271	
1971	08-08-71	760		1984	10-01-83	<sup>3</sup> 820	HP
1972	09-12-72	365					

<sup>1</sup>Highest since 1928.

<sup>2</sup>Highest since 1955.

<sup>3</sup>Highest since 1980.

Magnitude and probability of instantaneous peak flow based on period of record

Discharge, in ft <sup>3</sup> /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25	50	100
50%	20%	10%	4%	2%	1%
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Weighted skew	(logs) =	---			
Mean	(logs) =	---			
Standard dev.	(logs) =	---			

### Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
40.4	8.8	2,770	0.0	3.0	11.6	1.9	4.3

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